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209774US-0 PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF:

KARSTEN REIHS ET AL

: ATTN: NEW APPLICATION DIVISION

SERIAL NO: NEW US PCT APPLN

(Based on PCT/EP99/10322)

FILED: HEREWITH

FOR: ULTRAPHOBIC SURFACE

#1 1/2 / P. 00  
5/17/02

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Prior to examination on the merits, please amend the above-identified application as follows.

IN THE CLAIMS

Please amend the claims as shown in the marked-up copy to read as follows:

Sub B1  
1. (Amended) Structured surface having ultraphobic properties, comprising a surface topography in which the value of the integral of a function S

$$S(\log f) = a(f) \cdot f \quad (1),$$

which gives a relationship between the spatial frequencies F of the individual Fourier components and their amplitudes a(f), is at least 0.5 between the integration limits  $\log(f_1/\mu\text{m}^{-1}) = -3$  and  $\log(f_2/\mu\text{m}^{-1}) = 3$ , and consists of a hydrophobic or, in particular, oleophobic material, or is coated with a hydrophobic or, in particular, oleophobic material.

2. (Amended) Surface according to Claim 1, wherein the integral is  $> 0.6$ .